

**To:** Mangino, Mario[mangino.mario@epa.gov]  
**From:** Egan, Robert  
**Sent:** Mon 11/2/2015 5:05:23 PM  
**Subject:** RE: Tower Motel Results

Thanks, Mario. I appreciate your review of the data.

I will talk to you later this week about future sampling.

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

(312) 886-6212

(312) 692-2911 (fax)

**From:** Mangino, Mario  
**Sent:** Monday, November 02, 2015 10:46 AM  
**To:** Egan, Robert <egan.robert@epa.gov>; Kamke, Sherry <Kamke.Sherry@epa.gov>;  
Victorine, Gary <victorine.gary@epa.gov>  
**Subject:** RE: Tower Motel Results

BOB:

These air sample results do not indicate BTEX concentrations of concern that would call for relocation of residents or additional immediate sampling. Since the crawl space samples are being used as the "surrogate" for indoor samples, the health risk screening comparison is to the following concentrations for a residential setting:

Benzene: 3.6 microgram/cubic meter (1 in 100,000 cancer risk)

Ethylbenzene: 11 microgram/cubic meter (1 in 100,000 cancer risk)

Toluene: 5200 microgram/cubic meter (Non-cancer Hazard Quotient of 1)

Xylenes: 100 microgram/cubic meter (Non-cancer Hazard Quotient of 1)

The screening levels above are derived from the EPA Vapor Intrusion Screening Levels Spreadsheet (June 2015).

The detected concentrations of BTEX were well below the above screening levels.

The East wing sample detected toluene at 0.71 ug/m<sup>3</sup>; West wing sample detected benzene (0.68 ug/m<sup>3</sup>), toluene (2.6 ug/m<sup>3</sup>), and xylenes (1.6 ug/m<sup>3</sup>).

(ATSDR might use slightly different screening concentrations for comparison.)

I believe that Mark Johnson (R5 ATSDR) is making the “official” risk screening evaluation since the samples were collected by the Superfund emergency response program. Please see the message from Mark Johnson about his evaluation of the sample results. We can talk about whether the UST Program wants to obtain additional samples.

Where the narrative below says that the samples were “grab samples”, I assume it means that the samples were collected in 1 liter glass-lined bottles. The description does not explain over what time period the samples were collected to reach the final pressure. I don’t think that is a problem here since the Laboratory MRLs were sensitive enough to be well below the screening levels.

The detections of acetone and ethanol could be lab artifacts. Pinene and Limonene could be constituents from cleaning products (e.g., Pine-Sol; Mr. Clean).

Mario Mangino

Toxicologist

Land & Chemicals Div

U.S. EPA region 5

Chicago, IL

312-886-2589

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**From:** Egan, Robert

**Sent:** Monday, November 02, 2015 6:40 AM

**To:** Kamke, Sherry <[Kamke.Sherry@epa.gov](mailto:Kamke.Sherry@epa.gov)>; Victorine, Gary <[victorine.gary@epa.gov](mailto:victorine.gary@epa.gov)>; Mangino, Mario <[mangino.mario@epa.gov](mailto:mangino.mario@epa.gov)>

**Subject:** FW: Tower Motel Results

Please see attached air sample results from the Haskell Lake Lodge motel near the Tower Standard site.

Petroleum VOC results seem low to me. Mario, anything stand out as a problem?

Thank you.

Bob

Bob Egan

Corrective Action Manager

Underground Storage Tanks Section

RCRA Branch

(312) 886-6212

(312) 692-2911 (fax)

**From:** Hanson, Kristen [<mailto:KHanson@ldftribe.com>]

**Sent:** Friday, October 30, 2015 3:23 PM

**To:** Egan, Robert <[egan.robert@epa.gov](mailto:egan.robert@epa.gov)>

**Subject:** Fwd: Tower Motel Results

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: "Kondreck, Robert" <[robert.kondreck@tetrattech.com](mailto:robert.kondreck@tetrattech.com)>

Date: 10/30/2015 2:43 PM (GMT-06:00)

To: "Johnson, Mark" <[johnson.mark@epa.gov](mailto:johnson.mark@epa.gov)>, "Halbur, Kathy" <[halbur.kathy@epa.gov](mailto:halbur.kathy@epa.gov)>

Cc: "Hanson, Kristen" <[KHanson@ldftribe.com](mailto:KHanson@ldftribe.com)>, "Ribordy, Michael" <[ribordy.mike@epa.gov](mailto:ribordy.mike@epa.gov)>

Subject: RE: Tower Motel Results

Hi Mark,

Sorry for the error. It appears the file was converted to an excel file. Please use these files.

Rob

**From:** Johnson, Mark [<mailto:johnson.mark@epa.gov>]

**Sent:** Friday, October 30, 2015 2:25 PM

**To:** Kondreck, Robert <[robert.kondreck@tetrattech.com](mailto:robert.kondreck@tetrattech.com)>; Halbur, Kathy <[halbur.kathy@epa.gov](mailto:halbur.kathy@epa.gov)>

**Cc:** KHanson@ldftribe.com; Ribordy, Michael <[ribordy.mike@epa.gov](mailto:ribordy.mike@epa.gov)>

**Subject:** RE: Tower Motel Results

Rob

I just wanted to confirm that the 2 files are duplicates. The first one doesn't open, but I am assuming that it contains the same data as the second one since it has the same file name. Could you clarify?

Mark

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Mark D. Johnson, PhD, DABT

Regional Director/Toxicologist

Agency for Toxic Substances and Disease Registry (ATSDR)

77 W. Jackson Blvd.

Chicago, IL 60604

Office: 312-353-3436

Email: [mdjohnson@cdc.gov](mailto:mdjohnson@cdc.gov)

**From:** Kondreck, Robert [<mailto:robert.kondreck@tetrattech.com>]  
**Sent:** Friday, October 30, 2015 1:49 PM  
**To:** Halbur, Kathy <[halbur.kathy@epa.gov](mailto:halbur.kathy@epa.gov)>  
**Cc:** Johnson, Mark <[johnson.mark@epa.gov](mailto:johnson.mark@epa.gov)>; [KHanson@ldftribe.com](mailto:KHanson@ldftribe.com); Ribordy, Michael <[ribordy.mike@epa.gov](mailto:ribordy.mike@epa.gov)>  
**Subject:** RE: Tower Motel Results

Hello,

Please find attached the Tower Motel Results for two grab samples (E-Crawspace & W-Crawspace) collected on 10/27/2015 by EPA. Grab samples were collected due to faulty compression fittings on the 6L Summa Canisters.

Thanks,

Rob

**From:** Halbur, Kathy [<mailto:halbur.kathy@epa.gov>]  
**Sent:** Wednesday, October 28, 2015 3:12 PM  
**To:** Kondreck, Robert <[robert.kondreck@tetrattech.com](mailto:robert.kondreck@tetrattech.com)>  
**Cc:** Johnson, Mark <[johnson.mark@epa.gov](mailto:johnson.mark@epa.gov)>; [KHanson@ldftribe.com](mailto:KHanson@ldftribe.com); Ribordy, Michael <[ribordy.mike@epa.gov](mailto:ribordy.mike@epa.gov)>  
**Subject:** Tower Motel Results

Rob:

Please copy Mark Johnson, Kristen Hanson, and Mike Ribordy when you send me the summa results tomorrow. They are copied on this email, so you can just reply to all.

Thanks!  
Kathy